

IN THE CLAIMS:

1. (Currently Amended) A semiconductor device comprising a TFT containing an active layer having a channel forming region being formed over a substrate,

wherein a portion of the channel forming region is convexed or concaved in a channel width direction, said channel width direction being parallel to a plane of the substrate.

2. (Currently Amended) A semiconductor device comprising a TFT containing an active layer having a channel forming region formed over a substrate ,

wherein a portion of the channel forming region is convexed or concaved in a channel width direction, said channel width direction being parallel to a plane of the substrate, and

wherein zero or one grain boundary is contained in the channel forming region.

3. (Currently Amended) A semiconductor device comprising a TFT containing an active layer having a channel forming region formed over a substrate,

wherein a portion of the channel forming region is convexed or concaved in a channel width direction, said channel width direction being parallel to a plane of the substrate, and

wherein the number of grain boundaries crossing the channel forming region in the width direction of the channel is zero or one.

Claims 4-9. (Withdrawn).

10. (Previously presented) A semiconductor device according to any one of claims 1 to 3, wherein said semiconductor device is incorporated into an electronic device selected from the group consisting of a personal computer, a projector, a digital camera, a video camera, a head mounted display, a portable information terminal, a navigation system, a game machine, an image playback machine and a music playback machine.

11. (Currently Amended) A semiconductor device comprising:  
a semiconductor layer formed over a substrate; and  
a channel forming region and source and drain regions formed in said semiconductor layer,

wherein a portion of said channel forming region is convexed in a direction perpendicular to a channel length direction and parallel to a plane of the substrate.

12. (Currently Amended) A semiconductor device comprising:  
a semiconductor layer formed over a substrate; and  
a channel forming region and source and drain regions formed in said semiconductor layer,

wherein a portion of said channel forming region is concaved in a direction perpendicular to a channel length direction and parallel to a plane of the substrate.

13. (Currently Amended) A semiconductor device comprising:  
a semiconductor layer formed over a substrate; and  
a channel forming region and source and drain regions formed in said semiconductor layer,

wherein a portion of said channel forming region is convexed in a channel width direction, said channel width direction being parallel to a plane of the substrate.

14. (Currently Amended) A semiconductor device comprising:  
a semiconductor layer formed over a substrate; and  
a channel forming region and source and drain regions formed in said semiconductor layer,

wherein a portion of said channel forming region is concaved in a channel width direction, said channel width direction being parallel to a plane of the substrate.

15. (Currently Amended) A semiconductor device comprising:  
a semiconductor layer formed over a substrate; and  
a channel forming region and source and drain regions formed in said semiconductor layer,

wherein a portion of said channel forming region is convexed in a direction perpendicular to a carrier flow direction and parallel to a plane of the substrate.

16. (Currently Amended) A semiconductor device comprising:  
a semiconductor layer formed over a substrate;  
a channel forming region and source and drain regions formed in said semiconductor layer; and

wherein a portion of said channel forming region is concaved in a direction perpendicular to a carrier flow direction and parallel to a plane of the substrate.

17. (Previously Presented) A semiconductor device according to any one of claims 11-16, wherein said semiconductor device is incorporated into an electronic device selected from the group consisting of a personal computer, a projector, a digital camera, a video camera, a head mounted display, a portable information terminal, a navigation system, a game machine, an image playback machine and a music playback machine.